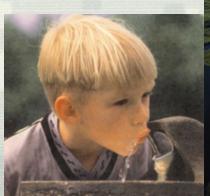
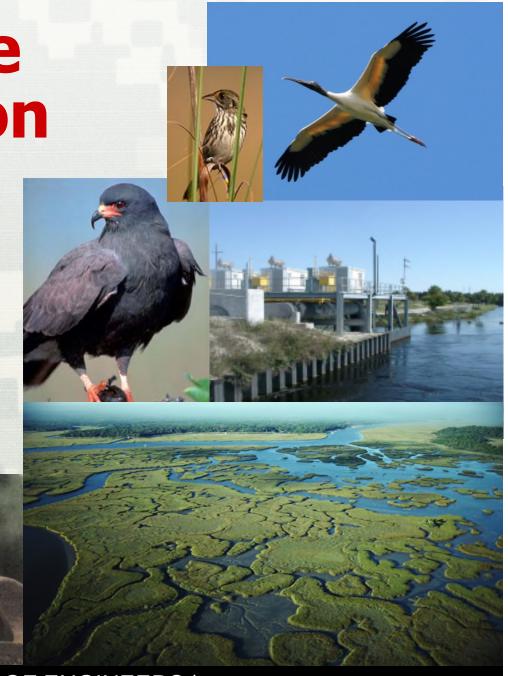
South Dade Investigation Workshop

October 15, 2015 Homestead, Florida







Integrated MWD/C-111SD Schedule

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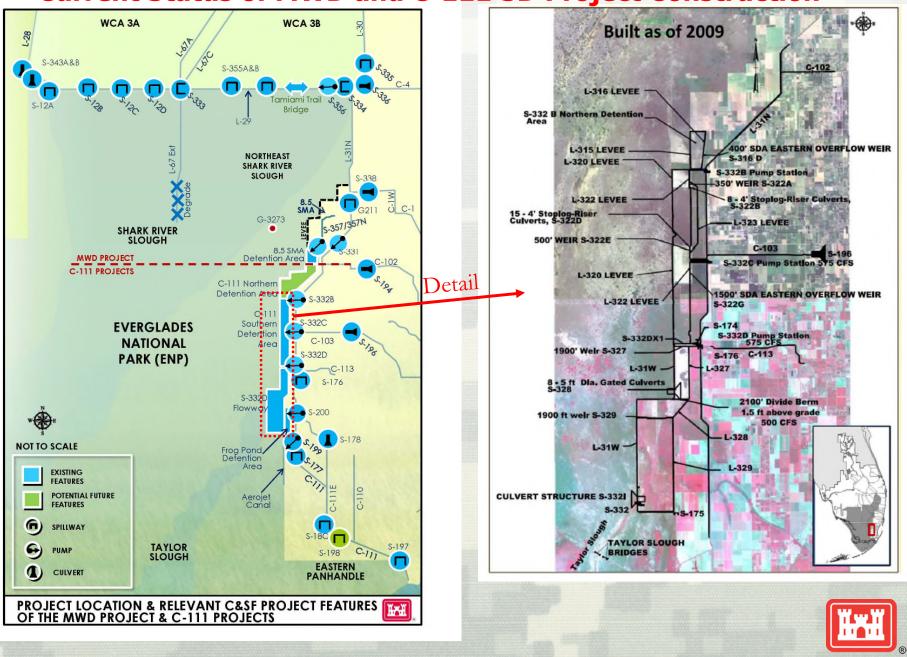
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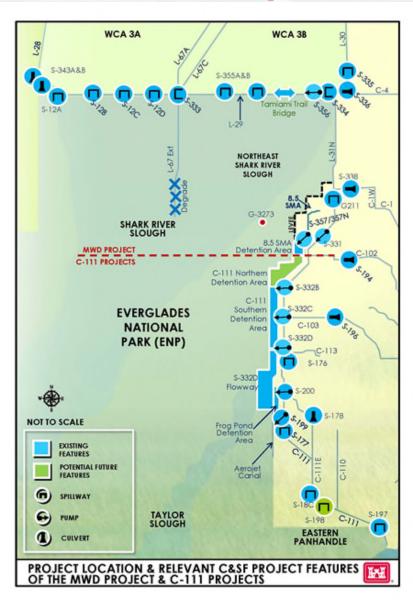
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⁻ Marine of the beamer forms when their points are a produced a second a produced by the

Current Status of MWD and C-111 SD Project Construction



MWD Project Features and Status



Project Features

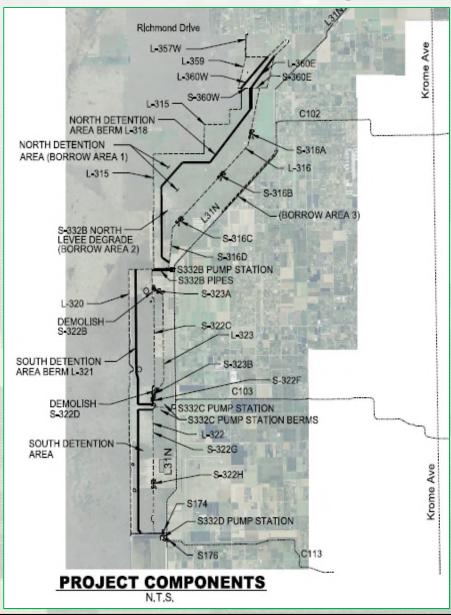
- S-355A&B (L-29): Complete
- S-333 Modification: Complete
- S-356 (L-31N): Complete (Incr. 1)
- Tamiami Trail Modifications: Complete
- L-67 Extension: 4 of 9 miles removed: Complete
- 8.5 Square Mile Area Perimeter Levees and Pump Station: Complete
- S-357N: To be constructed (Incr. 1)
- Tigertail Camp: Complete

Other Project Activities

- Increment 1 (G-3273 Relaxation and S-356 Field Test)
- Increment 2
- Operations: Increment 3/COP



C-111 SD Project Features and Status



Detention Areas and Levees

- C-111 Northern Detention Area: Award by 30 Oct 15
- Retention/Detention Area (SDA): Complete
- Internal Flowway berms: Contract 8a
- Modification to S-360 weirs: Contract 8a
- Richmond Dr. Modifications: Contract 8a

Pump Stations and Structures

- Interim S-332B/S-332C: Complete
- S-332D: Complete
- Emergency discharge weirs: Award 30 Oct 15
- Western Culverts: Reassess need in Contract 9

Bridge

Taylor Slough Bridge: Complete

Backfilling

- C-109 Backfilling: Complete
- C-111 Spoil Mound Removal: Complete
- L-31W Backfilling: Contract 9
- Modification to S332D Flowway: Contract 9

Operations: Increment 3/COP



Projects Underway: Near-Term

- MWD Increment 1 Field Test 15 October 2015
 - Initiated hydrologic conditions raised G-3273 > 6.8 ft NGVD
 - Planned 2 year duration (1 year minimum)
 - Increased inflows and stages for NESRS (no G-3273 constraint)
 - Reduced inflows to South Dade from S-331
 - Operate S-356 to control L-31N Canal, unless WCA-3A is high
 - Reduce regulatory releases from WCA-3A to South Dade
 - S-357N/S-357 to provide 8.5 SMA flood mitigation (July 2016), with S-357 generally limited to ¼ of pump capacity (125 cfs)
 - Conditional increased use of S-197
 - Reassess after the C-111 South Dade NDA is constructed and operable, and/or after Increment 1
 - Robust monitoring and evaluation / PDT coordination
 - Results used to update Water Control Plan

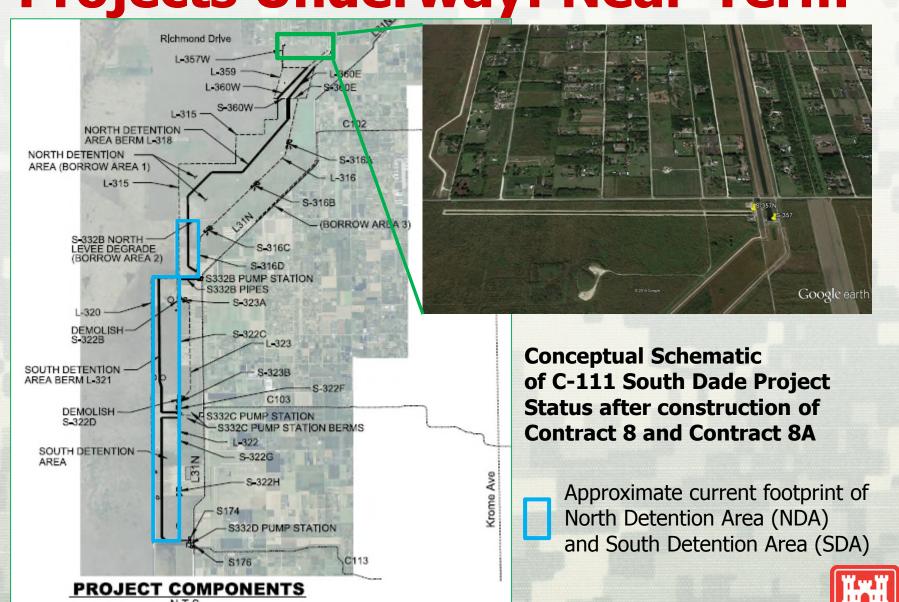


Projects Underway: Near-Term

- MWD 8.5 SMA S-357N complete November 2016
 - Gated culvert used to control stages in 8.5 SMA seepage collection canal south of Richmond Drive
- C-111 SD Contract 8 complete June 2017 (estimate)
 - Construction of North Detention Area, NDA (+1200 acres)
 - Increased storage for inflows from S-357 (future) and S-332B
 - Construction contract award expected October 2015
 - Interim operations/permit required to operate
- C-111 SD Contract 8A complete Oct 2017 (estimate)
 - Draft NEPA document pending (estimated January 2016)
 - Internal flowways within western NDA and western SDA to reduce return seepage to L-31N Canal
 - Connection between 8.5 SMA (S-357) and NDA



Projects Underway: Near-Term

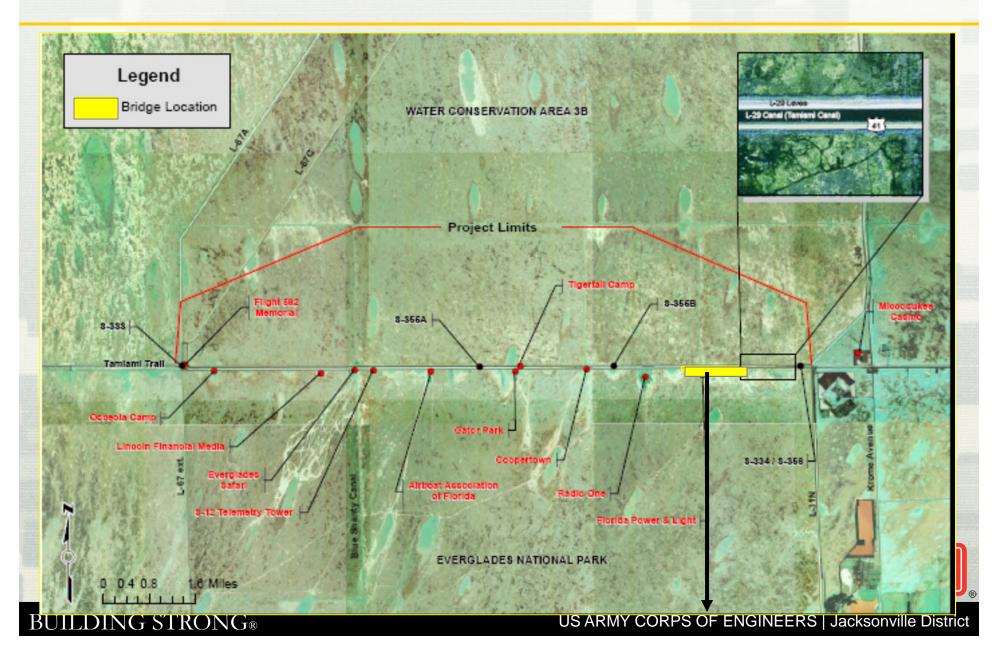


Projects Underway: Mid-Term

- MWD Increment 2 Field Test November 2017
 - Further raise G-3273 constraint and tests S-356 with the L-29 Canal maximum operating stage raised (up to 8.5 ft NGVD)
 - Dependent on acquisition of RE Interests along Tamiami Trail
 - Public and Agency coordination (NEPA) to be conducted
 - Expanded set of operations/monitoring informed by Increment 1
 - Operation of 8.5 SMA S-357N (testing under Increment 1)
 - Operate C-111SD constructed features (Contracts 8 and 8A)
 - S-357 expected to be operated up to full design capacity (575 cfs)
 - Additional structures/components may be included
 - Minimum 1 year duration
 - Robust monitoring and evaluation / PDT coordination



Real Estate - Locations



Projects Underway: Mid-Term

- Combined Operating Plan (COP)/Increment 3) -Plan Development 2018-2019
 - Define operations for the constructed features of the MWD and Canal-111 South Dade projects
 - MWD and C-111 South Dade established project objectives
 - Maintain the Congressionally-authorized multiple purposes of the C&SF Project
 - Formulation efforts will be informed by information from:
 - Increment 1 and Increment 2 field tests
 - NEPA Scoping (expected to initiate in 2017)
 - Hydrologic Modeling Evaluations
 - PDT coordination



MWD Project Objectives

Take steps to restore the natural hydrologic conditions within Everglades National Park, to the extent practicable.

- <u>Timing:</u> Changing the schedule of water deliveries so that it fluctuates in consonance with local meteorological conditions, including providing for long term and annual variation in ecosystem conditions in the Everglades;
- Location: Restoring WCA-3B as a functioning component of the Everglades hydrologic system* and restoration of water deliveries to Northeast Shark River Slough the center of the historic Shark River Slough; (*modified by CEPP – ROD signed 8/31/2015)
- Volume: Adjusting the magnitude of water discharged to Everglades
 National Park to minimize the effects of too much or too little water.



C-111 SD Project Objectives

- Restoration of historic hydrologic conditions in the C-111 Basin.
- Protection of natural values associated with Everglades National Park
- Elimination of damaging freshwater inflows to Manatee Bay/Barnes Sound
- Maintain flood protection for the C-111 Basin, east of L-31N and C-111.

